

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Goodman, Daniel J.**

Serial No.: **not yet assigned** (claims priority from U.S. Provisional Applications 60/514,596 and 60/459,651)

Art Unit: **not yet assigned**

Filed: **on even date herewith**

Examiner: **not yet assigned**

For: **DUAL BAND SUPERHETERODYNE RECEIVER**

First Information Disclosure Statement

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §1.97(a)(4), the following documents are presented for the Examiner's consideration:

U.S. Patent No. 6,029,054 Lemley et al.
U.S. Patent No. 4,215,313 Chang et al
U.S. Patent No. 4,313,216 Jaeger et al
U.S. Patent No. 4,412,354 Hu
U.S. Patent No. 4,626,857 Imazeki
U.S. Patent No. 4,668,952 Imazeki et al
U.S. Patent No. 4,726,072 Yamashita et al
U.S. Patent No. 5,530,927 Smith
U.S. Patent No. 5,661,485 Manuel
U.S. Patent No. 5,697,089 Lundquist et al
U.S. Patent No. 5,726,657 Pergande et al
U.S. Patent No. 5,852,417 Valentine et al
U.S. Patent No. 5,856,801 Valentine et al

U.S. Patent No. 5,900,832 Valentine et al
U.S. Patent No. 6,072,994 Phillips et al
U.S. Patent No. 6,100,842 Toth et al
U.S. Patent No. 6,127,962 Martinson
U.S. Patent No. 6,133,795 Williams
U.S. Patent No. 6,169,410 Grace et al
U.S. Patent No. 6,169,511 Iwakuni et al
U.S. Patent No. 6,175,324 Valentine et al
U.S. Patent No. 6,211,815 Richery et al
U.S. Patent No. 6,377,315 Carr et al
U.S. Patent No. 6,400,305 Kuhn
U.S. Patent No. 6,507,308 Ono et al
U.S. Patent No. 6,549,766 Vorenkamp et al
U.S. Patent No. 6,591,091 Vorenkamp et al
U.S. Patent No. Publication US2003/0090436 Schantz et al
U.S. Patent No. Publication US2003/0147480 Richards et al
U.S. Patent No. Publication US2003/0161411 McCorkle et al
U.S. Patent No. Publication US2003/0232612 Richards et al
U.S. Patent No. 6,590,468 du Toit et al

Tsui, James Bao-Yen, Microwave Receivers with Electronic Warfare Applications, pages 134 - 181 (1992).

R. Malmqvist, A. Gustafsson, M. Danestig, A. Ouacha, S. Hagelin, S. Rudner,
Analysis of Tunable Narrow-Band Recursive Active MMIC Filters For Future Adaptive On-Chip Radar Receivers, Microwave Conference, 2000 Asia-Pacific, 3-6 Dec. 2000 Pages: 1073-1076

R. Malmqvist, A. Gustafsson, M. Alfredsson, A. Ouacha,
A Tunable Active MMIC Filter For On-Chip X-Band Radar Receiver Front-Ends
Microwave Symposium Digest, 2002 IEEE Mtt-S International, Volume: 3, 2-7 June 2002 Pages: 1907-1910

These documents are listed on the accompanying Form PTO-1449 or SB-08 for the Examiner's convenience.

In accordance with 37 C.F.R. § 1.98, a copy of each published patent application and each non-patent document is enclosed. Copies of the issued U.S. patents are not enclosed.

This submission is not be construed as indicating that a search has been made or that the above-listed documents are material to examination of the above-captioned application.

This document is submitted within three months of the filing date of the application and before the mailing of a first Office Action on the merits, and therefore, no fee is due under 37 C.F.R. § 1.97(b).

The Commissioner is authorized to charge any fee which may be due, or credit any overpayments, to Deposit Account No. 50-0281.

Respectfully submitted,


Sally A. Ferrett
Reg. No. 46,325

Date:
Telephone: 202-404-1551

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. DEPARTMENT OF COMMERCE, U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application Number	Not yet assigned
				Filing Date	
				First Named Inventor	Goodman
				Group Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
				Attorney Docket Number	NC 95,855
Sheet	1	of	3		

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		US 6,029,054		Lemley et al	02/22/2000	
		US 4,215,313		Chang et al	07/29/1980	
		US 4,313,216		Jaeger et al	01/26/1982	
		US 4,412,354		Hu	10/25/1983	
		US 4,626,857		Imazeki	12/02/1986	
		US 4,668,952		Imazeki	05/26/1987	
		US 4,726,072		Yamashita et al	02/16/1988	
		US 5,530,927		Smith	06/25/1996	
		US 5,661,485		Manuel	08/26/1997	
		US 5,697,089		Lundquist et al	12/09/1997	
		US 5,726,657		Pergande et al	03/10/1998	
		US 5,852,417		Valentine et al	12/22/1998	
		US 5,856,801		Valentine et al	01/05/1999	
		US 5,900,832		Valentine et al	05/04/1999	
		US 6,072,994		Phillips et al	06/06/2000	
		US 6,100,842		Toth et al	08/08/2000	
		US 6,127,842		Martinson	10/03/2000	
		US 6,133,795		Williams	10/17/2000	
		US 6,169,410		Grace et al	01/02/2001	
		US 6,169,511		Iwakuni et al	01/02/2001	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
A collection of information unless it contains a valid GPO control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	Not yet assigned
		Filing Date	
		First Named Inventor	Goodman
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Sheet	2	of	3
		Attorney Docket Number	NC 95,855

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.